

PARAPSYCHOLOGICAL INVESTIGATIONS

TOPICS FOR DISCUSSION

- HISTORICAL BACKGROUND
- RESEARCH ACTIVITY
- USSR/PRC ACTIVITIES
- APPLICATION POTENTIAL

HISTORICAL SEMI-EXPERIMENTAL/CASE STUDIES

- LATE 1700'S -- MESMERISM
- LATE 1800'S -- HYPNOTISM
- 1882 -- ^{SOCIETY FOR}
^{PSYCHIC}_{RESEARCH}(SPR), LONDON
- EARLY 1900'S -- MENTAL SUGGESTIONS/BEKHTEREV
INST. FOR BRAIN RESEARCH, USSR

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- 1882 -- PSYCHIC RESEARCH/SPR; LONDON
- EARLY 1900'S -- MENTAL SUGGESTIONS/BEKHTERV
INST. FOR BRAIN RESEARCH, USSR

HISTORICAL

- 1917 -- STANFORD UNIV, CA
- 1930-1960 -- DUKE UNIV, DURHAM NC
- 1960-PRESENT -- FRNM, DURHAM, NC
- 1960-PRESENT -- MIND SCIENCE FOUNDATION,
SAN ANTONIO, TX
- 1970-1980 -- MAIMONIDES MEDICAL CENTER, NY
- 1970-1980 -- SRI INTER, MENLO PARK, CA
- 1980-1990 -- PSYCHOPHYSICAL RESEARCH LAB,
PRINCETON, NJ
- 1980-PRESENT -- ANOMALIES RESEARCH LAB,
PRINCETON UNIV, NJ
- OTHERS:
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 - PRIVATE FOUNDATIONS

TYPES OF INVESTIGATIONS

<ul style="list-style-type: none">• <u>DUKE UNIVERSITY</u><ul style="list-style-type: none">- FORCED CHOICE- CASE STUDIES• <u>FRNM</u><ul style="list-style-type: none">- FORCED CHOICE- GANZFELD/RV- REG• <u>MSF</u><ul style="list-style-type: none">- RV- REG- BIO-PK• <u>MAIMONIDES</u><ul style="list-style-type: none">- DREAM TELEPATHY- GANZFELD	<ul style="list-style-type: none">• <u>PRL</u><ul style="list-style-type: none">- GANZFELD- REG• <u>PRINCETON U.</u><ul style="list-style-type: none">- RV- REG• <u>SRI</u><ul style="list-style-type: none">- RV (RESEARCH & APPLIED)- REG- THEORETICAL
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PHENOMENA OCCURRENCE SITUATIONS

- Waking State
 - Intuitions
 - Synchronicity
- Altered/Dissociated State
 - Day dreams
 - Ganzfeld
 - Dreams
 - Hypnosis
 - Trance

METHODS OF ANALYSIS

- LIMITED CHOICE
 - STANDARD STATISTICS
- FREE RESPONSE
 - STATISTICAL/SUBJECTIVE
 - DIRECT MATCHING
 - RANK ORDERING
 - DESCRIPTOR LIST
 - CONCEPT ANALYSIS
 - FUZZY SET ANALYSIS
 - ACCURACY
 - RELIABILITY
 - FIGURE OF MERIT
 - OTHER
 - SUBJECTIVE SCALES

BASIC PROTOCOL

- DOUBLE BLIND
- AUTOMATED DATA RECORDS
- DETAILS DOCUMENTED

TARGETING/DEMARCATION

- BEACON PERSON
- ABSTRACT

RECENT RESEARCH

OVERALL RESULTS

- **GANZFELD**
 - 835 SESSIONS, 10 LABS
 - 38% VS 25% CHANCE
 - $p < 10^{-9}$
- **RV**
 - 24,450 TRIALS OVER 15 YEARS
 - $p < 10^{-21}$

MAIMONIDES MEDICAL CENTER

OBSERVATIONS

- Vivid, potent, dynamic material is best
- Must be relaxed, passive with increase of inner attention
- Female participants are more sensitive to colors
 - Rapport, bonds, emotional ^{ASPECTS} tones important
 - Motivation, goals are important
 - Openness, self-acceptance is important
- Waking PSI experience is not important



RESEARCH EXAMPLES

Ruins of Urquhart Castle, Loch Ness, Scotland

Perception (in full):

"rocks; with uneven holes; also smoothness
height
ocean—dark, dark blue
whitecaps
waves; booming against rocks?
on mountain or high rocks overlooking water
dark green in distance
gulls flying?
pelican on a post
sand
a lighthouse?—tall structure—round with conical roof
high windows or window space with path leading up to it
or larger structure similar to a castle
[Here there is a sketch of a castle abutment on the transcript.]
a black dog?
with longish curly hair
old, unused feeling; fallen apart?
musty or dank
moss or grass growing in walls
drawbridge?—wood
ocean smells
[Here two sketches show the rocks and castle separated by water from the
dark green in the distance.]
flowers?
snow ice—capping a mountain?
high large, cavernous hall—castle"

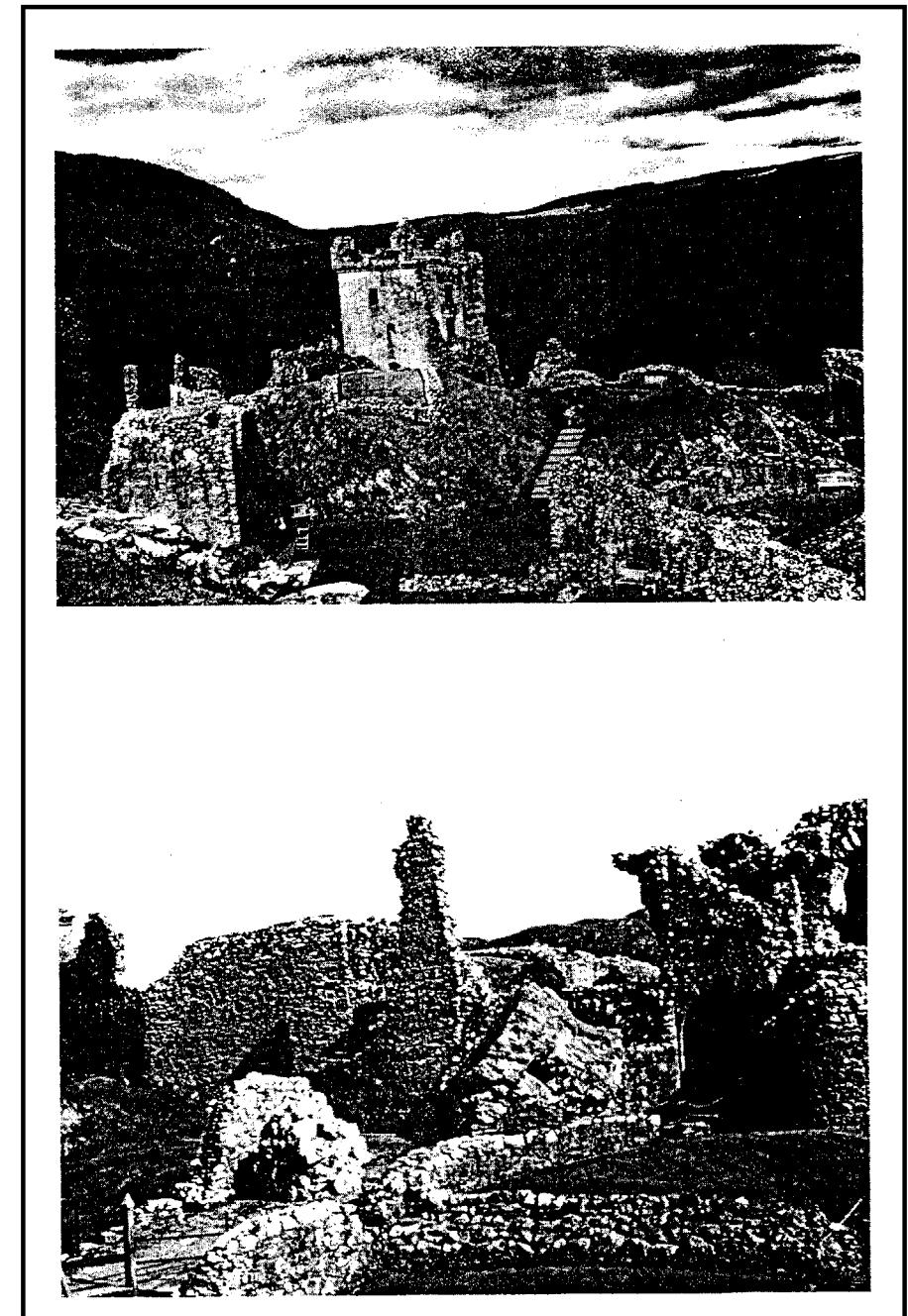
Distance: 3500 miles

Time: 14.5 hours, retrocognitive

Normalized Score: .769

z-Score: 2.194

Probability: .014



Danube River, Bratislava, Czechoslovakia

Perception (in part):

"I have the feeling that [the agent] is somewhere near water. I seem to have the sensation of a very large expanse of water. There might be boats. Several vertical lines, sort of like poles. They're narrow, not heavy. Maybe lamp posts or flagpoles. Some kind of circular shape. Almost like a merry-go-round or a gazebo. A large round thing. It's round on its side, like a disc, it's like a round thing flat on the ground, but it seems to have height as well. Maybe with poles. Could possibly come to a point on top. Seeing vertical lines again. Seems to be a strong impression, these vertical lines. No idea what they could be. . . . A definite sensation of being outside rather than in. Water again. . . . To one side of where [the agent] is I get the feeling there's a kind of small building. Could be a shed. . . . Predominant colors seem to be blue and green. . . . Water again. Some very quick impression of a fence, a low fence. . . . Steps. I don't know where they're leading to. . . . The steps sort of lead up to like a path or walkway. Like a boardwalk. And there's a fence along it. There's people walking along it, and there's vertical lines along that walkway. . . ."

Distance: 5600 miles

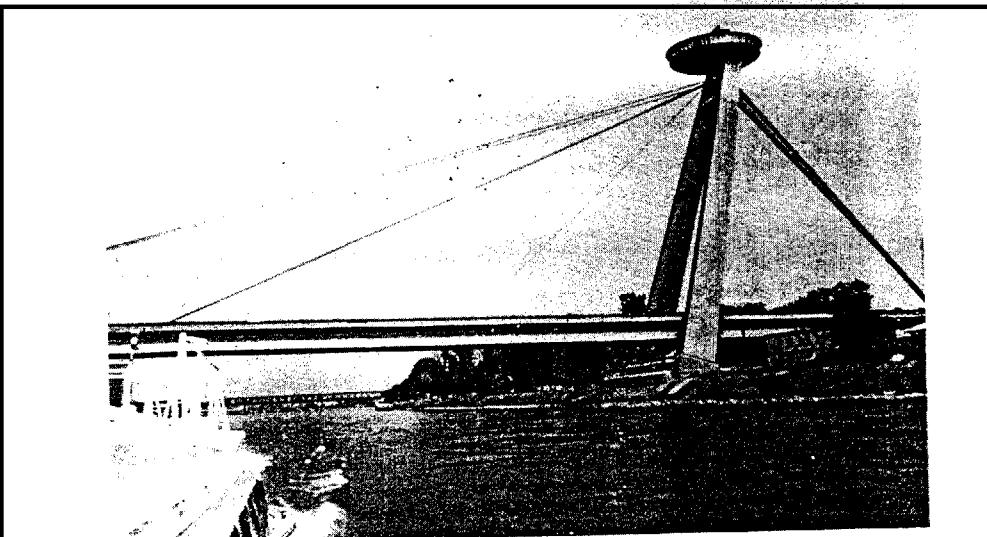
Time: 23.5 hours, precognitive

Normalized Score: .884

z-Score: 3.145

Probability: .001

CPYRGHT



TRANSCRIPT

2500 MILES

"FLAT SEMI-INDUSTRIAL COUNTRYSIDE WITH MOUNTAIN RANGE IN BACKGROUND AND SOMETHING TO DO WITH UNDERGROUND CAVES OR MINES OR DEEP SHAFTS--HALF MANMADE, HALF NATURAL-- SOME ELECTRIC HUMMING GOING ON--THROBBING, INNER THROBBING. NUCLEAR OR SOME VERY FAR OUT AND POSSIBLY SECRET INSTALLATION--CORRIDOR--MAZES OF THEM--WHOLE UNDERGROUND CITY---"

DIFFICULTIES

- No adequate theory
 - Limits in current understanding
 - Interdisciplinary needs
- Acceptability
 - Lack of formal proof
 - Replication difficult
 - Cultural constraints
 - Counterfits
- Person dependent
 - Individual style
 - Complex psychodynamics
 - Support

SUMMARY

- Phenomena have deep roots
- Spontaneous phenomena keep occurring
- A wide variety of research exists
 - Reality demonstrated
 - Progress is slow
 - Goal orientation
- Application interests continue

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J.B. RHINE'S OBSERVATIONS

- Most subjects can do clairvoyance, telepathy
- Daily fluctuations occur
- Drugs, coffee affects
- Works at a distance
 - Performance increases noted
- Rational, sensory processes interfere

J.B. RHINE'S OBSERVATIONS

Cont'd

- Abstraction, "concentration" required
- Major procedure changes disturb
- Conflict of purpose spoils concentration
- Self-consciousness lowers results
- Dissociation lowers capacity to concentrate
- ESP use over time does not decline
 - May be cyclic
 - May be below chance for negative attitude

J.B. RHINE'S OBSERVATIONS

Cont'd

- Interest, effort, attention cause variations
- Light humorous mood best
- No evidence of further development after brief initial period

J.B. RHINE'S OBSERVATIONS

Cont'd

- Best results when both "sender" and "receiver" have talent
 - Even if the "sender" is fatigued
- Results somewhat positive, even if the "sender" has no talent
- Poor results if "receiver" has poor talent, even with good "sender"



EVALUATION SCALES

NUMERICAL RATING	APPROX. DEGREE OF DATA CORRELATION PERCENT	DESCRIPTION
0	0 - 10	LITTLE OR NO CORRELATION
1	10 - 30	{ MIXTURE OF RELEVANT AND INCORRECT DATA WITH MAJORITY INCORRECT
1+	30 - 50	
2	50 - 70	{ MIXTURE OF RELEVANT AND INCORRECT DATA WITH MAJORITY CORRECT AND UNAMBIGUOUS
2+	70 - 90	
3	90 - 100	VERY HIGH TARGET CORRELATION WITH ESSENTIALLY NO AMBIGUOUS DATA

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FIGURE 3

DATA CATEGORIES

GEOGRAPHIC DESCRIPTIONS -- e.g., TERRAIN FEATURES;
WATER, MOUNTAINS

OBJECTS (LARGE SCALE) -- e.g., AIRFIELDS, FACILITY
LAYOUT, DOCKS, SILOS

OBJECTS (SMALL SCALE) -- e.g., LASERS, TANKS, ANTENNAS

FUNCTIONS (LARGE SCALE) -- e.g., R/D, WEAPON TESTING,
PRODUCTION

FUNCTIONS (SMALL SCALE) -- e.g., LASER TESTING, CBW
STORAGE, MISSILE FIRING

PERSONALITY DATA -- e.g., STATE-OF-HEALTH, PHYSICAL
FEATURES, BACKGROUND

PREDICTIVE -- e.g., PLANS, INTENTIONS, FUTURE LOCATIONS,
FUTURE ACTIONS/ACTIVITY

FIGURE 2

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GENERAL TERMINOLOGY

- ANOMALOUS PHENOMENA
- PARANORMAL PHENOMENA
- PARAPSYCHOLOGY
- EXTRAORDINARY HUMAN FUNCTION
- PSYCHOENERGETICS
- BIOFIELD PHENOMENA
- PARAPHYSICS
- PSYCHIC RESEARCH

DESCRIPTIVE TERMINOLOGY

INFORMATIONAL

- ANOMALOUS COGNITION (AC)
- REMOTE VIEWING (RV)
- EXTRASENSORY PERCEPTION (ESP)
 - TELEPATHY
 - CLAIRVOYANCE
 - PRECOGNITION/POSTCOGNITION
 - OTHER

ENERGETIC

- PSYCHOKINESIS (PK)
- ~~PSY~~
- ANOMALOUS PERTUBATION (AP)
- OTHER

~~HISTORICAL~~

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